

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	3
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Complete if Known

Application Number	10/048,013
Filing Date	January 28, 2002
First Named Inventor	Michaela LUCONI et al
Group Art Unit	1654
Examiner Name	LEARY, L.
Attorney Docket Number	LUCONI=1

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Laura Lee

Date
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Attorney Docket Number	LUCONI=1

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
LE	AE	Abstract, KR9202285, entitled "Cell protecting agent- is composed of 3,5,7-tri:hydroxy-flavone and at least one cpd. selected from quercetin, myricetin, kaempferol, etc." applicant: PACIFIC CHEM CO LTD., published 4-7 1992.
LE	AF	Abstract 252,(XP-001009990) JACK et al, "Glycogen synthase kinase-3-phosphorylation- Evidence for a role for phosphoinositide-3-kinase signaling pathway in sperm motility regulation", BIOL. REPROD., vol. 62, suppl. 1, pp. 206-207, 15-18 July 2000
LE	AG	R.G. EDWARDS, "Widening Perspectives Of Intracytoplasmic Sperm Injection" NATURE MEDICINE, Vol. 5, No. 4, pp. 377-378, April 1999.
LE	AH	Craig Marc LUETJENS, et al "Non-random Chromosome Positioning In Human Sperm And Sex Chromosome Anomalies Following Intracytoplasmic Sperm Injection", THELANCET, Vol. 353, p. 1240 April 10, 1999.
LE	AI	Bart VANHAESEBROECK et al "Phosphonositide 3-kinases: a Conserved Family Of Signal Transducers", TIBS, Vol 22, pp. 267-272, July 1997.
LE	AJ	Chris J. VLAHOS et al "Investigation of Neutrophil Signal Transduction Using a Specific Inhibitor of Phosphatidylinositol 3-Kinase" JOURNAL OF IMMUNOLOGY, pp. 2413-2422, 1995.
LE	AK	Chris J. VLAHOS et al "A Specific Inhibitor of Phosphatidylinositol 3-Kinase, 2-(4-Morpholinyl)-8-phenyl-4H-1- benzopyran-4-one (LY294002)" THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol 269, No. 7, pp. 5241-5248, February 18, 1994.
LE	AL	Lynn R. FRASER et al "Ca ²⁺ -Regulating Mechanisms that Modulate Bull Sperm Capacitation and Acrosomal Exocytosis as Determined by Chlortetracycline Analysis" MOLECULAR REPRODUCTION AND DEVELOPMENT, Vol. 40, pp. 233-241, 1995.
LE	AM	Lea NASS-ARDEN and Haim Breitbart, "Modulation of Mammalian Sperm Motility by Quercetin" MOLECULAR REPRODUCTION AND DEVELOPMENT, Vol. 25, pp. 369-373, 1990.
LE	AN	E.R.S. ROLDAN and A.D. Fleming, "Is a Ca ²⁺ -ATPase involved in Ca ²⁺ Regulation During Capacitation And The Acrosome Reaction Of Guinea-Pig Spermatozoa?" J. OF REPROD. FERT. Vol. 85, pp. 297-308, 1989.
LE	AO	Roy H. HAMMERSTEDT et al, "Motility, Heat and Lactate Production in Ejaculated Bovine Sperm" ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS. Vol. 266, No. 1, pp. 111-128, October 1989.
LE	AP	S. DasGupta et al, "A Possible Role for Ca ²⁺ -ATPase in Human Sperm Capacitation", JOURNAL OF REPRODUCTION AND FERTILITY. Vol 102, pp.107-116, 1994.

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CC	AQ	H. BREITBART "Calcium Metabolism In Spermatozoa- A Target For Contraception" ADV CONTRA DELIV SYST. Vol. 9, pp. 93-95, 1993.	
CC	AR	L.R. FRASER and C.A. McDermott, "Ca ²⁺ -Related Changes In The Mouse Sperm Capacitation State: A Possible Role for Ca ²⁺ -ATPase", J. REPROD. FERT. Vol. 96, pp. 363-377, 1992.	
CC	AS	H.M. FISHER et al, "Phosphoinositide 3-kinase is Involved In The Induction Of The Human Sperm Acrosome Reaction Downstream Of Tyrosine Phosphorylation", MOLECULAR HUMAN REPRODUCTION, Vol. 4, No. 9, pp. 849-855, 1998.	
CC	AT	Huailiang FENG et al, "The C-kit Receptor and Its Possible Signaling Transduction Pathway in Mouse Spermatozoa", MOLECULAR REPRODUCTION AND DEVELOPMENT, Vol. 49, pp. 317-326, 1998.	
CC	AU	Peter BLUME-JENSEN et al, "Kit/Stem Cell Factor Receptor-Induced Activation of Phosphatidylinositol 3'-kinase is Essential For Male Fertility", NATUERE GENETICS, Vol. 24, pp. 157-162, February 2000.	
CC	AV	M. ARAVINDAKSHAN, et al, "Studies on Germinal Effects of Quercetin, a Naturally Occurring Flavonoid", MUTATION RESEARCH, Vol. 144, pp. 99-106, 1985.	
CC	AW	Abstract, JP 8066183, entitled "Suppression of cell activity, for controlling selective endocytes of eukaryocytes-comprises adding lithium chloride or wortmannin culture mediumto eukaryotic" applicant: SHINGIJUTSU JIGYODAN, published 03-12-1996.	

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